Author index to volume 286

Abergel, C. see C. Devaux 286 (1991) 64
Abramov, V.M. see E.E. Galyov 286 (1991) 79
Adler, L. see L. André 286 (1991) 13
Aktories, K. see K.H. Reuner 286 (1991) 100
Alzar, P.M. see C. Devaux 286 (1991) 64
Andersen, J.K. see P. Urban 286 (1991) 142
André, L., A. Hemming and L. Adler, Osmoregulation in *Saccharomyces cerevisiae*: Studies on the osmotic induction of glycerol production and glycerol 3-phosphate dehydrogenase (NAD^+) 286 (1991) 13
Archambault de Vencay, J., Y. Cenatiempo and R. Julien, Evidence for a ribosome-associated thiol protease cleaving wheat germ methionyl-tRNA synthetase 286 (1991) 71
Arisawa, M. see H. Nakane 286 (1991) 83
Arnold, RolandR. see D.J. Uhlinger 286 (1991) 28
Arrol, S. see M.I. Mackness 286 (1991) 152
Atomi, H. see Yu. Fukuda 286 (1991) 61
Avalos, J., L.M. Corrochano and S. Brenner, Cysteinyl-tRNA synthetase is a direct descendant of the firstaminoacyl-tRNA synthetase 286 (1991) 176

Ball, H. see P. Mascagni 286 (1991) 201
Barat, A. see J. Pérez-Tur 286 (1991) 25
Barbacane, R.C. see P. Conti 286 (1991) 137
Barbato, R., H.L. Race, G. Friso and J. Barber, Chlorophyll levels in the pigment-binding proteins of photosystem II: A study based on the chlorophyll to cytochrome ratio in different photosystem II preparations 286 (1991) 86
Barber, J. see R. Barbato 286 (1991) 86
Baxter, M.A. see G. Grafton 286 (1991) 229
Benatti, L. see M.S. Fabbrini 286 (1991) 91
Berger, S., U. Ellersiek and K. Steinmüller, Cyanobacteria contain a mitochrondrial complex I-homologous NADH-dehydrogenase 286 (1991) 129
Boheim, G. see R. Wittka 286 (1991) 193
Bongrazio, M. see P. Conti 286 (1991) 137
Bork, P., Shuffled domains in extracellular proteins 286 (1991) 47
Bradley, R.L., K.M. Long and W.D. Frasch, The involvement of photosystem II-generated H_2O_2 in photoinhibition 286 (1991) 209
Brenner, S. see J. Avalos 286 (1991) 176
Brindley, D.N. see D. Hermier 286 (1991) 186
Broemme, D. see B. Wiederanders 286 (1991) 189
Brown, G. see G. Grafton 286 (1991) 229
Bunce, C.M. see G. Grafton 286 (1991) 229
Burnham, D.N. see D.J. Uhlinger 286 (1991) 28
Buscail, L. see P. Robberecht 286 (1991) 133
Buxton, R.S. see I.A. King 286 (1991) 9

Canela, E.I. see V. Casadó 286 (1991) 221
Canfield, A.E. and A.M. Schor, Identification and partial characterisation of a low M_r collagen synthesised by bovine retinal pericytes: Apparent relationship to type X collagen 286 (1991) 171
Casadó, V., J. Mallol, E.I. Canela, C. Lluis and R. Franco, The binding of [^{3}H]R-PIA to A_1 adenosine receptors produces a conversion of the high- to the low-affinity state 286 (1991) 221
Cenatiempo, Y. see J. Archambault de Vencay 286 (1991) 71
Chernovskaya, T.V. see E.E. Galyov 286 (1991) 79
Christophe, J. see P. Robberecht 286 (1991) 133
Coates, A. see P. Mascagni 286 (1991) 201
Colburn, J.C. see P.J. Kennelly 286 (1991) 217
Conti, P., M. Reale, M.R. Panara, R.C. Barbacane, M. Bongrazio and R.A. Dempsey, Human recombinant interleukin-1 receptor antagonist inhibits lymphocyte blastogenesis induced by concanavalin A: Restorative effect of hrIL-1 286 (1991) 137
Corrèze, C. see L. Martiny 286 (1991) 105
Corrochano, L.M. see J. Avalos 286 (1991) 176
Cox, P. see R.M. McKernan 286 (1991) 44
Cutler, C.W. see D.J. Uhlinger 286 (1991) 28

Dauter, Z. see C.E. Vorgias 286 (1991) 204
Defendini, M.-L. see C. Devaux 286 (1991) 64
Delrot, S. see Z.-S. Li 286 (1991) 117
Dempsey, R.A. see P. Conti 286 (1991) 137
De Neef, P. see P. Robberecht 286 (1991) 133
Devaux, C., M.-L. Defendini, P.M. Alzar, C. Abergel, C. Granier and J.C. Fontecilla-Camps, Crystallization and preliminary X-ray diffraction data of the Fab fragment of a monoclonal antibody against apamin, a bee venom neurotoxin 286 (1991) 64
Dib, K. see L. Martiny 286 (1991) 105
Dolgikh, D.A. see E.E. Galyov 286 (1991) 79
Drueckes, P. see R. Schinzel 286 (1991) 125
Durrington, P.N. see M.I. Mackness 286 (1991) 152

Eckel, J. see S. Petersen 286 (1991) 1
Edelman, A.M. see P.J. Kennelly 286 (1991) 217
Ellersiek, U. see S. Berger 286 (1991) 129
Ellis, R.J. see P. Mascagni 286 (1991) 201
Enter, C. see B. Obermaier-Kusser 286 (1991) 67
Exton, J.H. see S.J. Taylor 286 (1991) 214

Fabbrini, M.S., B. Valsasina, G. Nitti, L. Benatti and A. Vitale, The signal peptide of human preproendothelin-1 286 (1991) 91
Falchetto, R. see G. Togni 286 (1991) 181
Farina, A.R. see J.P. Quinn 286 (1991) 225
Fearnley, I.M. see M.J. Runswick 286 (1991) 121
Fessenmaier, M., R. Frank, J. Retey and C. Schubert, Cloning and sequencing the urocanase gene (hutU) from *Pseudomonas putida* 286 (1991) 55
Fontecilla-Camps, J.C. see C. Devaux 286 (1991) 64
Franco, R. see V. Casadó 286 (1991) 221
Frank, R. see M. Fessenmaier 286 (1991) 55
Frasch, W.D. see R.L. Bradley 286 (1991) 209
Friso, G. see R. Barbato 286 (1991) 86
Fujimoto, Y. see S. Iwaki-Egawa 286 (1991) 167
Fujita, A. see H. Nakane 286 (1991) 83
Fukuda, Y., H. Atomi, T. Kurihara, M. Hikida, M. Ueda and A. Tanaka, Genes encoding peroxisomal enzymes are not necessarily assigned on the same chromosome of an *n*-alkane-utilizable yeast *Candida tropicalis* 286 (1991) 61
Fukutomi, A. see H. Kido 286 (1991) 233
Furuyama, S. see H. Sugiya 286 (1991) 113

Gaillard, C. see Z.-S. Li 286 (1991) 117
Gallet, O. see Z.-S. Li 286 (1991) 117
Galyov, E.E., A.V. Karlishev, T.V. Chernovskaya, D.A. Dolgikh, O.Yu. Smirnov, K.I. Volkovoy, V.M. Abramov and V.P. Zav'yalov, Expression of

the envelope antigen F1 of *Yersinia pestis* is mediated by the product of *caf1M* gene having homology with the chaperone protein PapD of *Escherichia coli* 286 (1991) 79
Gatenby, A.A. see R. Grimm 286 (1991) 155
Gerbitz, K.-D. see B. Obermaier-Kusser 286 (1991) 67
Gillard, N.P. see R.M. McKernan 286 (1991) 44
Gourlet, P. see P. Robberecht 286 (1991) 133
Grafton, G., C.M. Bunce, M.C. Sheppard, G. Brown and M.A. Baxter, Changes in the kinetics of inositol transport during TPA-induced differentiation of HL60 cells towards monocytes 286 (1991) 229
Granier, C. see C. Devaux 286 (1991) 64
Grimm, R., V. Speth, A.A. Gatenby and E. Schäfer, GroEL-related molecular chaperones are present in the cytosol of oat cells 286 (1991) 155

Hales, P. see D. Hermier 286 (1991) 186
Harada, M., M. Sisido, J. Hirose and M. Nakanishi, Photoreversible antigen–antibody reactions 286 (1991) 6
Haye, B. see L. Martiny 286 (1991) 105
Hemming, A. see L. André 286 (1991) 13
Hermier, D., P. Hales and D.N. Brindley, Effects of the lipase inhibitors, Triton WR-1339 and tetrahydrolipstatin, on the synthesis and secretion of lipids by rat hepatocytes 286 (1991) 186
Hikida, M. see Y. Fukuda 286 (1991) 61
Hiramatsu, K. see T. Ito 286 (1991) 159
Hirose, J. see M. Harada 286 (1991) 6
Hokke, C.H., J.P. Kamerling, G.W.K. van Dedem and J.F.G. Vliegenthart, Determination of the branch location of extra *N*-acetyllactosamine units in sialo N-linked tetraantennary oligosaccharides 286 (1991) 18
Hsu, H. -P.P. see P. Urban 286 (1991) 142

Inokuchi, J., Y. Kumamoto, M. Jimbo, H. Shimeno and A. Nagamatsu, Sphingosine inhibits attachment of murine Lewis lung carcinoma cells to laminin and type IV collagen 286 (1991) 39
Ito, T., Y. Ohshita, K. Hiramatsu and T. Yokota, Identification and nucleotide sequence determination of the gene responsible for Ogawa serotype specificity of *V. cholerae* 01 286 (1991) 159
Iwaki-Egawa, S., Y. Watanabe and Y. Fujimoto, Identification of a rat liver dipeptidyl aminopeptidase IV with a liver plasma membrane glycoprotein (gp110): A study using dipeptidyl aminopeptidase IV-deficient rats 286 (1991) 167

Jacquemin, C. see L. Martiny 286 (1991) 105
Jimbo, M. see J. Inokuchi 286 (1991) 39
Jr, see D.J. Uhlinger 286 (1991) 28
Julien, R. see J. Archambault de Vencay 286 (1991) 71
Just, I. see K.H. Reuner 286 (1991) 100

Kalkkinen, N. see B. Wiederanders 286 (1991) 189
Kalmar, J.R. see D.J. Uhlinger 286 (1991) 28
Kamerling, J.P. see C.H. Hokke 286 (1991) 18
Karlishev, A.V. see E.E. Galyov 286 (1991) 79
Kato, K. see T. Umekage 286 (1991) 147
Katunuma, N. see H. Kido 286 (1991) 233
Katz, N. see K.H. Reuner 286 (1991) 100
Kennelly, P.J., J.C. Colburn, J. Lorenzen, A.M. Edelman, J.T. Stull and E.G. Krebs, Activation mechanism of rabbit skeletal muscle myosin light chain kinase: 5′-*p*-Fluorosulfonylbenzoyl adenosine as a probe of the MgATP-binding site of the calmodulin-bound and calmodulin-free enzyme 286 (1991) 217
Kido, H., A. Fukutomi and N. Katunuma, Tryptase TL_2 in the membrane of human T4 lymphocytes is a novel binding protein of the V3 domain of HIV-1 envelope glycoprotein gp120 286 (1991) 233
King, I.A., A.I. Magee, D.A. Rees and R.S. Buxton, Keratinization is associated with the expression of a new protein related to the desmosomal cadherins DGII/III 286 (1991) 9
Kingswell, A.J. see C.E. Vorgias 286 (1991) 204
Kirschke, H. see B. Wiederanders 286 (1991) 189
Klappa, P. see R. Zimmermann 286 (1991) 95
Konami, Y., K. Yamamoto, S. Toyoshima and T. Osawa, The primary structure of the *Laburnum alpinum* seed lectin 286 (1991) 33
Koshimura, S. see H. Nakane 286 (1991) 83
Krawczyk, S. and W. Maksymiec, Stark effect in P700, the primary electron donor of Photosystem I 286 (1991) 110
Krebs, E.G. see P.J. Kennelly 286 (1991) 217
Kruse, N., T. Lehrnbecher and W. Sebald, Site-directed mutagenesis reveals the importance of disulfide bridges and aromatic residues for structure and proliferative activity of human Interleukin-4 286 (1991) 58
Kumamoto, Y. see J. Inokuchi 286 (1991) 39
Kurihara, T. see Y. Fukuda 286 (1991) 61

Lambert, B. see L. Martiny 286 (1991) 105
Lambeth, J.D. see D.J. Uhlinger 286 (1991) 28
Lehrnbecher, T. see N. Kruse 286 (1991) 58
Lemoine, R. see Z.-S. Li 286 (1991) 117
Lim, M. see P. Mascagni 286 (1991) 201
Li, Z.-S., O. Gallet, C. Gaillard, R. Lemoine and S. Delrot, Reconstitution of active sucrose transport in plant proteoliposomes 286 (1991) 117
Lluis, C. see V. Casadó 286 (1991) 221
Long, K.M. see R.L. Bradley 286 (1991) 209
Lorenzen, J. see P.J. Kennelly 286 (1991) 217

Mackness, M.I., S. Arrol and P.N. Durrington, Paraoxonase prevents accumulation of lipoperoxides in low-density lipoprotein 286 (1991) 152
Magee, A.I. see I.A. King 286 (1991) 9
Maksymiec, W. see S. Krawczyk 286 (1991) 110
Mallol, J. see V. Casadó 286 (1991) 221
Martiny, L., K. Dib, B. Haye, C. Corrèze, C. Jacquemin and B. Lambert, The effect of glycosyl inositol-phosphate on cAMP production in isolated rat fat-cells is transduced by a pertussis toxin sensitive G-protein 286 (1991) 105
Mascagni, P., M. Tonolo, H. Ball, M. Lim, R.J. Ellis and A. Coates, Chemical synthesis of 10 kDa chaperonin: Biological activity suggests chaperonins do not require other molecular chaperones 286 (1991) 201
Mayinger, P. see R. Zimmermann 286 (1991) 95
McKernan, R.M., P. Cox, N.P. Gillard and P. Whiting, Differential expression of $GABA_A$ receptor α-subunits in rat brain during development 286 (1991) 44
Merrill, A.H. see D.J. Uhlinger 286 (1991) 28
Monod, M. see G. Togni 286 (1991) 181
Müller-Höcker, J. see B. Obermaier-Kusser 286 (1991) 67
Mullins, R.E. see D.J. Uhlinger 286 (1991) 28

Nagamatsu, A. see J. Inokuchi 286 (1991) 39
Nakane, H., M. Arisawa, A. Fujita, S. Koshimura and K. Ono, Inhibition of HIV-reverse transcriptase activity by some phloroglucinol derivatives 286 (1991) 83
Nakanishi, M. see M. Harada 286 (1991) 6
Nitti, G. see M.S. Fabbrini 286 (1991) 91

Obermaier-Kusser, B., I. Paetzke-Brunner, C. Enter, J. Müller-Höcker, S. Zierz, W. Ruitenbeek and K.-D. Gerbitz, Respiratory chain activity in tissues from patients (MELAS) with a point mutation of the mitochondrial genome [$tRNA^{Leu(UUR)}$] 286 (1991) 67

Ohshita, Y. see T. Ito 286 (1991) 159
Ono, K. see H. Nakane 286 (1991) 83
Osawa, T. see Y. Konami 286 (1991) 33

Paetzke-Brunner, I. see B. Obermaier-Kusser 286 (1991) 67
Panara, M.R. see P. Conti 286 (1991) 137
Panchenko, M.V. and A.D. Vinogradov, Direct demonstration of *enol*-oxaloacetate as an immediate product of malate oxidation by the mammalian succinate dehydrogenase 286 (1991) 76
Paquette, T. see B. Wiederanders 286 (1991) 189
Pérez-Tur, J., A. Barat, M. Ramos and G. Ramírez, Chondroitinases release acetylcholinesterase from chick skeletal muscle 286 (1991) 25
Petersen, S., M. Russ, H. Reinauer and J. Eckel, Inverse regulation of glucose transporter Glut4 and G-protein G_s mRNA expression in cardiac myocytes from insulin resistant rats 286 (1991) 1
Pompon, D. see P. Urban 286 (1991) 142
Pongs, O. see R. Wittka 286 (1991) 193

Quinn, J.P. and A.R. Farina, Autoimmune antigen Ku is enriched on oligonucleotide columns distinct from those containing the octamer binding protein DNA consensus sequence 286 (1991) 225

Race, H.L. see R. Barbato 286 (1991) 86
Ramírez, G. see J. Pérez-Tur 286 (1991) 25
Ramos, M. see J. Pérez-Tur 286 (1991) 25
Reale, M. see P. Conti 286 (1991) 137
Rees, D.A. see I.A. King 286 (1991) 9
Reinauer, H. see S. Petersen 286 (1991) 1
Retey, J. see M. Fessenmaier 286 (1991) 55
Reuner, K.H., K. Schlegel, I. Just, K. Aktories and N. Katz, Autoregulatory control of actin synthesis in cultured rat hepatocytes 286 (1991) 100
Rinne, A. see B. Wiederanders 286 (1991) 189
Robberecht, P., M.-C. Woussen-Colle, P. De Neef, P. Gourlet, L. Buscail, André Vandermeers, M.-C. Vandermeers-Piret and J. Christophe, The two forms of the pituitary adenylate cyclase activating polypeptide (PACAP (1–27) and PACAP (1–38)) interact with distinct receptors on rat pancreatic AR 4-2J cell membranes 286 (1991) 133
Ruitenbeek, W. see B. Obermaier-Kusser 286 (1991) 67
Runswick, M.J., I.M. Fearnley, J.M. Skehel and J.E. Walker, Presence of an acyl carrier protein in NADH:ubiquinone oxidoreductase from bovine heart mitochondria 286 (1991) 121
Russ, M. see S. Petersen 286 (1991) 1

Sanglard, D. see G. Togni 286 (1991) 181
Schäfer, E. see R. Grimm 286 (1991) 155
Schinzel, R. and P. Drueckes, The phosphate recognition site of *Escherichia coli* maltodextrin phosphorylase 286 (1991) 125
Schlegel, K. see K.H. Reuner 286 (1991) 100
Schor, A.M. see A.E. Canfield 286 (1991) 171
Schubert, C. see M. Fessenmaier 286 (1991) 55
Sebald, W. see N. Kruse 286 (1991) 58
Sells, B.H. see T. Yoganathan 286 (1991) 163
Sheppard, M.C. see G. Grafton 286 (1991) 229
Shimeno, H. see J. Inokuchi 286 (1991) 39
Sisido, M. see M. Harada 286 (1991) 6
Skehel, J.M. see M.J. Runswick 286 (1991) 121
Smirnov, O.Yu. see E.E. Galyov 286 (1991) 79
Speth, V. see R. Grimm 286 (1991) 155
Steinmüller, K. see S. Berger 286 (1991) 129
Stocker, M. see R. Wittka 286 (1991) 193
Stull, J.T. see P.J. Kennelly 286 (1991) 217
Sugiya, H. and S. Furuyama, Sphingosine stimulates calcium mobilization in rat parotid acinar cells 286 (1991) 113

Tanaka, A. see Y. Fukuda 286 (1991) 61
Taylor, S.J. and J.H. Exton, Two α subunits of the G_q class of G proteins stimulate phosphoinositide phospholipase C-β1 activity 286 (1991) 214
Togni, G., D. Sanglard, R. Falchetto and M. Monod, Isolation and nucleotide sequence of the extracellular acid protease gene (ACP) from the yeast *Candida tropicalis* 286 (1991) 181
Tonolo, M. see P. Mascagni 286 (1991) 201
Toothman, P. see B. Wiederanders 286 (1991) 189
Toyoshima, S. see Y. Konami 286 (1991) 33

Ueda, M. see Y. Fukuda 286 (1991) 61
Uhlinger, D.J., D.N. Burnham, R.E. Mullins, J.R. Kalmar, C.W. Cutler, RolandR. Arnold, J.D. Lambeth, A.H. Merrill and Jr, Functional differences in human neutrophils isolated pre- and post-prandially 286 (1991) 28
Umekage, T. and K. Kato, A mouse brain cDNA encodes a novel protein with the protein kinase C phosphorylation site domain common to MARCKS 286 (1991) 147
Urban, P., J.K. Andersen, H.-P.P. Hsu and D. Pompon, Comparative membrane locations and activities of human monoamine oxidases expressed in yeast 286 (1991) 142

Valsasina, B. see M.S. Fabbrini 286 (1991) 91
Van Dedem, G.W.K. see C.H. Hokke 286 (1991) 18
Vandermeers, André see P. Robberecht 286 (1991) 133
Vandermeers-Piret, M.-C. see P. Robberecht 286 (1991) 133
Vinogradov, A.D. see M.V. Panchenko 286 (1991) 76
Vitale, A. see M.S. Fabbrini 286 (1991) 91
Vliegenthart, J.F.G. see C.H. Hokke 286 (1991) 18
Volkovoy, K.I. see E.E. Galyov 286 (1991) 79
Vorgias, C.E., A.J. Kingswell, Z. Dauter and K.S. Wilson, Cloning, overexpression, purification and crystallisation of ribosomal protein L9 from *Bacillus stearothermophilus* 286 (1991) 204

Walker, J.E. see M.J. Runswick 286 (1991) 121
Watanabe, Y. see S. Iwaki-Egawa 286 (1991) 167
Whiting, P. see R.M. McKernan 286 (1991) 44
Wiederanders, B., D. Broemme, H. Kirschke, N. Kalkkinen, A. Rinne, T. Paquette and P. Toothman, Primary structure of bovine cathepsin S: Comparison to cathepsins L, H, B and papain 286 (1991) 189
Wilson, K.S. see C.E. Vorgias 286 (1991) 204
Wittka, R., M. Stocker, G. Boheim and O. Pongs, Molecular basis for different rates of recovery from inactivation in the *Shaker* potassium channel family 286 (1991) 193
Woussen-Colle, M.-C. see P. Robberecht 286 (1991) 133

Yamamoto, K. see Y. Konami 286 (1991) 33
Yoganathan, T. and B.H. Sells, Identification of a polypeptide bound to the β region of the mouse r protein L32 promoter 286 (1991) 163
Yokota, T. see T. Ito 286 (1991) 159

Zav'yalov, V.P. see E.E. Galyov 286 (1991) 79
Zierz, S. see B. Obermaier-Kusser 286 (1991) 67
Zimmermann, M. see R. Zimmermann 286 (1991) 95
Zimmermann, R., M. Zimmermann, P. Mayinger and P. Klappa, Photoaffinity labeling of dog pancreas microsomes with 8-azido-ATP inhibits association of nascent preprolactin with the signal sequence receptor complex 286 (1991) 95